GROUP 13C

FUEL SUPPLY

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GENERAL INFORMATION

M2134000100639

The fuel system consists of the following components:

- Fuel injector
- Fuel delivery pipe
- Fuel pressure regulator <4G1>
- Fuel vapour canister
- Fuel tank
- Fuel tank pump and gauge assembly

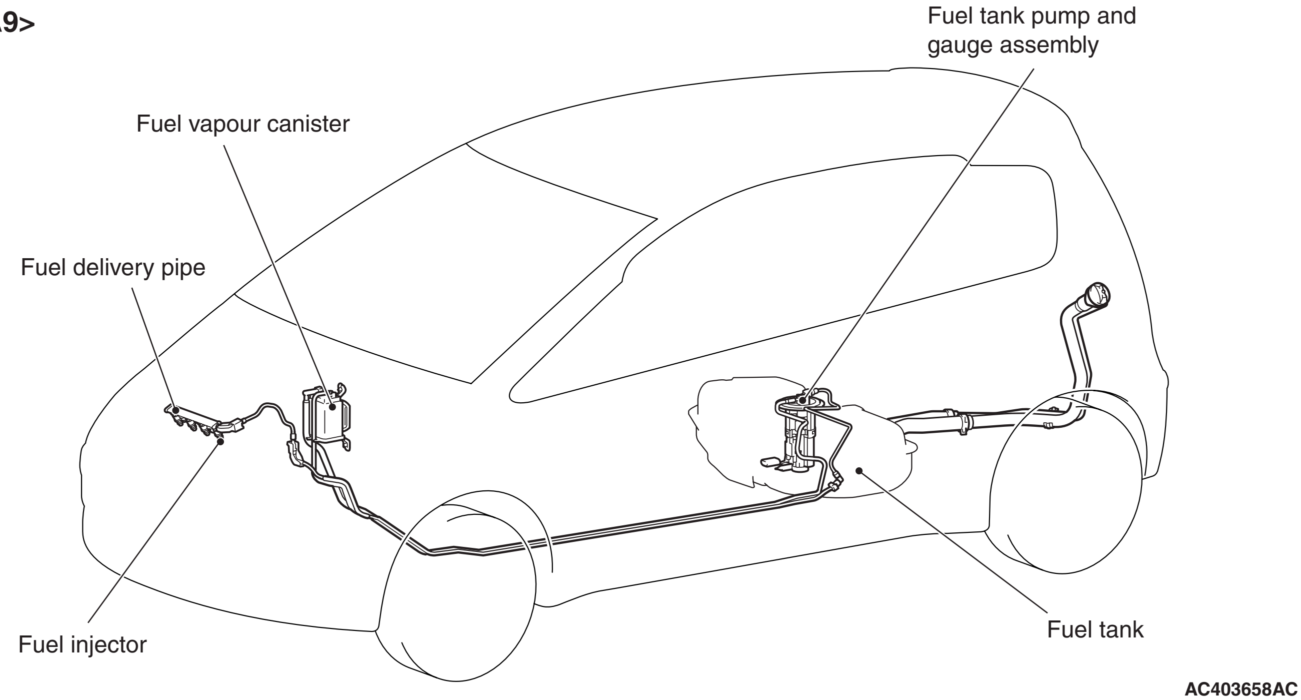
SPECIFICATIONS

Item		Specification
Fuel tank capacity L		45
Fuel pump type		Electric
Fuel pump pressure regulator control pressure kPa <4A9>		324
Fuel pressure regulator control pressure kPa <4G1>		294
Fuel injector	Type	Elector-magnetic
	Quantity	4
Evaporative emission control system		Fuel vapour canister

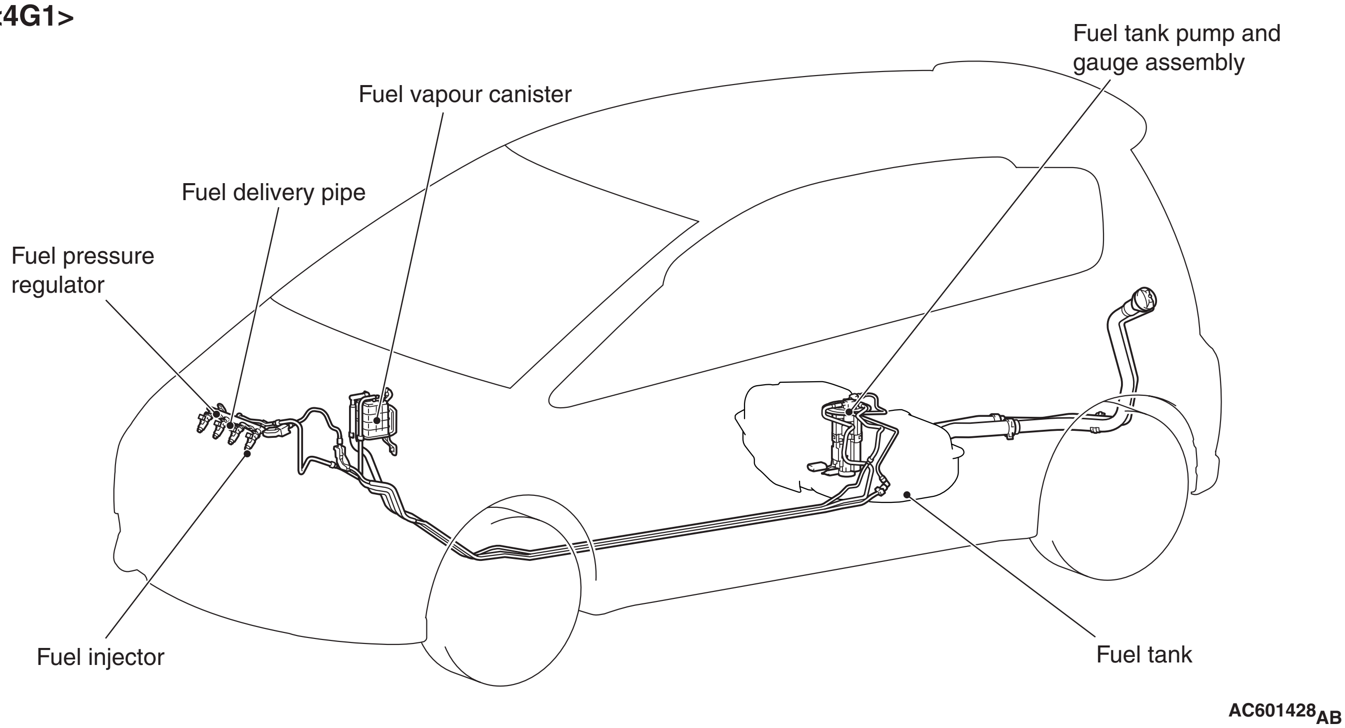
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CONSTRUCTION DIAGRAM

<4A9>



<4G1>



This fuel system is designed with consideration for global environment protection to ensure safety at a collision, reduce weight, and improve reliability and quality. This system has the following features:

- The internal structure of the fuel vapour canister has been improved to reduce emission of the vapour gas into the air.
- The use of the fuel return less system, in which the fuel pump pressure regulator is incorporated in the fuel tank pump and gauge assembly, allows the fuel return pipe and hose to be discontinued, and reduces weight. <4A9>
- In order to ensure safety at a collision, the fuel system components such as the fuel line hose and the fuel vapour canister in the engine compartment were placed on the transmission side to avoid interference with surrounding components.

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- A resin coating is treated on the underfloor fuel line pipes, improving reliability.
- A fuel tank pump with low power consumption has been adopted to reduce the alternator load.
- A plastic tank pump and gauge assembly is used to reduce weight.
- The fuel line tube and fuel line hose are made of the material, which does not allow fuel vapour to pass through it as much as possible, so that the vapour gas emission to the air is reduced.

FUEL TANK

M2134001000442

The fuel tank assembly consists of components such as a fuel tank pump and gauge assembly, a fuel high-pressure hose, a fuel tank hose, and a fuel tank, and has the following features:

- The fuel tank is located underneath the rear seats to improve safety at a collision.
- The fuel tank itself is made of a pre-coat galvanized steel sheet that contains no lead.
- The fuel tank pump is housed in the fuel tank to improve collision safety.
- A fuel tank safety valve, which prevents fuel leakage when the vehicle banks or rolls over, is located inside the fuel tank pump and gauge assembly.
- The fuel high-pressure hose and fuel tank hose are made of the material, which does not allow fuel vapour to pass through it as much as possible.

The fuel tank pump and gauge assembly consist of the following components:

- Fuel tank pump
- Fuel tank gauge unit
- Fuel tank filter assembly
- Fuel pump pressure regulator <4A9>
- Fuel tank safety valve
- Fuel tank 2-way valve

CONSTRUCTION DIAGRAM

